

OCT 22 2001



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/960,626	09/21/2001	Michael Merchant	M93.12-0238

CONFIRMATION NO. 4288

FORMALITIES LETTER



OC00000006932452

Steven M. Koehler
WESTMAN CHAMPLIN & KELLY
Suite 1600 - International Center
900 South Second Avenue
Minneapolis, MN 55402-3319



Date Mailed: 10/18/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$710 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$126.

01/14/2002 MBERHE	00000026	09960626
01 FC:101		740.00 OP
02 FC:105		130.00 OP
03 FC:103		126.00 OP

 - \$126 for 7 total claims over 20.
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$966.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

2001 OCT 22 09 50

FEE TRANSMITTAL



Complete if Known

Application No.	09/960,626
Filing Date	September 21, 2001
First Named Inventor	Michael Merchant
Title	MULTIPLE REGION CONVOLVER WITH TAPERING
Group Art Unit	2182
Examiner Name	
Atty. Docket Number	M93.12-0238

Total Amount of Payment \$ 996

METHOD OF PAYMENT (Check One)

1. ☒ The Director is hereby authorized to charge any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. 23-1123.
Westman, Champlin & Kelly, P.A.
2. ☒ PTO-2038 Enclosed

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Subtotal (1) \$ 740
Code	Fee (\$)	Code	Fee (\$)		
101	740	201	370	<input checked="" type="checkbox"/> Utility Filing Fee	
106	330	206	165	<input type="checkbox"/> Design Filing Fee	
108	740	208	370	<input type="checkbox"/> Reissue Filing Fee	
114	160	214	80	<input type="checkbox"/> Prov. Filing Fee	

2. EXTRA CLAIM FEES

	Number Claims	Prior**	Extra	Fee from Below	Fee Paid
Total	27	20	7	18	126
Indep.	3	3	0	84	0

Multiple Dependent Claims

** Insert 3 and 20, or number previously paid if greater; Reissue see below

Large Entity		Small Entity		Description
Code	Fee (\$)	Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple Dependent Claims
109	84	209	42	Reissue Independent Claims over Original Patent
110	18	210	9	Reissue claims in excess of 20 and over original patent

Subtotal (2) \$ 126

FEE CALCULATION (Continued)

3. ADDITIONAL FEES

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118	1,440	218	720	Extension for reply within fourth month	
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143	490	243	260	Design issue fee (inc. advance copies)	
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123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	

Other Fee (specify) _____

Subtotal (3) \$130

Signature

(Steven M. Koehler)

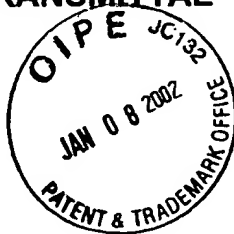
Reg. No. 36,188

Date

10/12/01

Deposit Account No. 23-1123

FEE TRANSMITTAL



Complete if Known

Application No.	09/960,626
Filing Date	September 21, 2001
First Named Inventor	Michael Merchant
Title	MULTIPLE REGION CONVOLVER WITH TAPERING
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Other Fee (specify) _____

Subtotal (3) \$130

Signature (Steven M. Koehler)Reg. No. 36,188Date 10/12/01Deposit Account No. 23-1123

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Michael Merchant

Appln. No.: 09/960,626

Filed : September 21, 2001

For : MULTIPLE REGION CONVOLVER WITH
TAPERING

Docket No.: M93.12-0238



Group Art Unit:2182

**LETTER TO OFFICIAL DRAFTSMAN (PROPOSED CORRECTIONS)
AND SUBMISSION OF FORMAL DRAWINGS**

Commissioner for Patents
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS
BEING SENT BY U.S. MAIL, FIRST CLASS,
TO THE ASSISTANT COMMISSIONER FOR
PATENTS, WASHINGTON, D.C. 20231, THIS

12 DAY OF November, 2001


PATENT ATTORNEY

Sir:

Applicant respectfully request correction of FIG. 11 as indicated in red in the attached sheet. Specifically, both inputs to the summer for signals 77 and 79A should be positive as indicated in FIG. 4B (See also page 18, lines 14-18). A complete set of formal drawings are submitted herewith along with the correction indicated above.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

By: 

Steven M. Koehler, Reg. No. 36,188
Suite 1600 - International Centre
900 Second Avenue South
Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222 Fax: (612) 334-3312

SMK:jmb

2001-09-21 09:00:00



Sector ~~1~~

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Michael Merchant

Appln. No.: 09/960,626

Filed : September 21, 2001

For : MULTIPLE REGION CONVOLVER WITH
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Docket No.: M93.12-0238

Group Art Unit:2182

**RESPONSE TO NOTICE TO FILE MISSING PARTS
OF APPLICATION - FILING DATE GRANTED
UNDER 37 C.F.R. §§ 1.53(f) AND 1.16(e)**

Box Missing Parts
Commissioner for Patents
Washington, D.C. 20231

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Sir:

In response to the Notice to File Missing Parts of
Application - Filing Date Granted dated October 18, 2001,
Applicant encloses the following documents to complete the above-
identified patent application filed September 21, 2001:

1. Our check in the amount of \$966.00 (to cover the filing
fee \$836 and surcharge fee of \$130.00).
2. Combined Declaration and Power of Attorney executed by
the inventor(s).
3. Fee Calculation Sheet.
4. Notice to File Missing Parts of Application-Filing Date
Granted.
5. Letter to Official Draftsman (Proposed Corrections) and
Submission of Formal Drawings.

6. Corrected FIG. 11 (correction in red).

7. Complete set of formal drawings (15 sheets).

The Director is authorized to charge payment of any additional fees associated with this paper or credit any overpayment to Deposit Account No. 23-1123. A duplicate copy of this sheet is enclosed.

Respectfully submitted,
WESTMAN, CHAMPLIN & KELLY, P.A.

By: 

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Suite 1600 - International Centre
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Phone: (612) 334-3222 Fax: (612) 334-3312

SMK:jmb

A copy of this notice MUST be returned with the reply.

A.T.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

2025-07-01 10:00:00



Sector #

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Michael Merchant

Appln. No.: 09/960,626

Filed : September 21, 2001

For : MULTIPLE REGION CONVOLVER WITH
TAPERING

Docket No.: M93.12-0238

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SMK:jmb

OCT 22 2001

Page 1 of 2

4



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COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
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www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/960,626	09/21/2001	Michael Merchant	M93.12-0238

Steven M. Koehler
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Suite 1600 - International Center
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CONFIRMATION NO. 4288

FORMALITIES LETTER



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Date Mailed: 10/18/2001

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A T

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

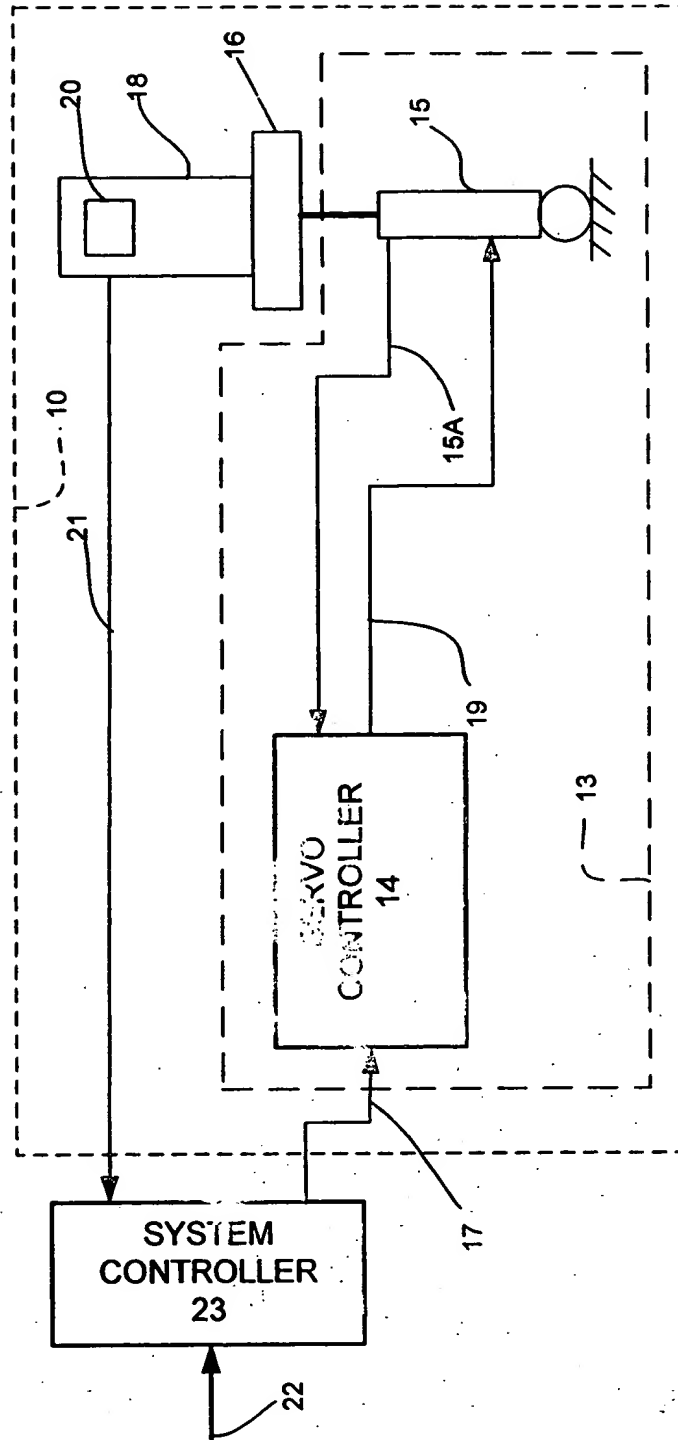


FIG. 1

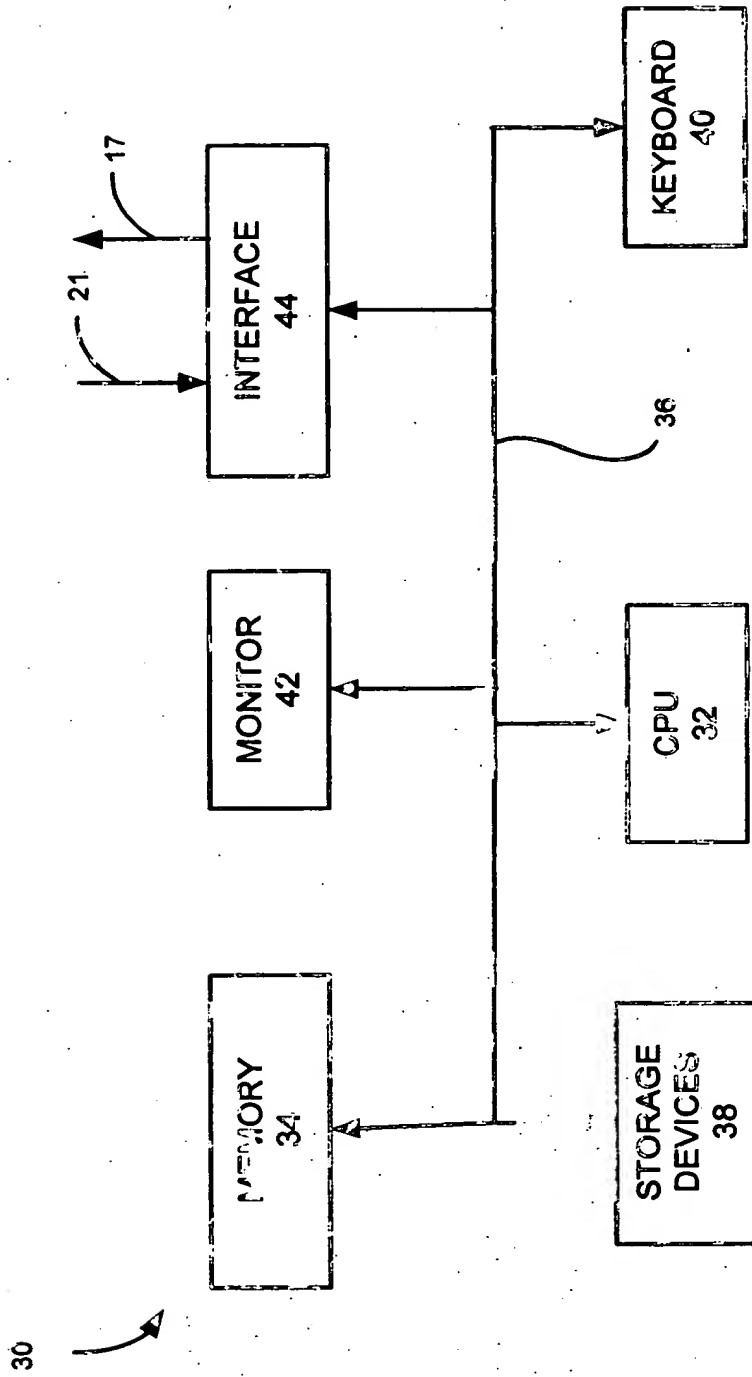


FIG. 2

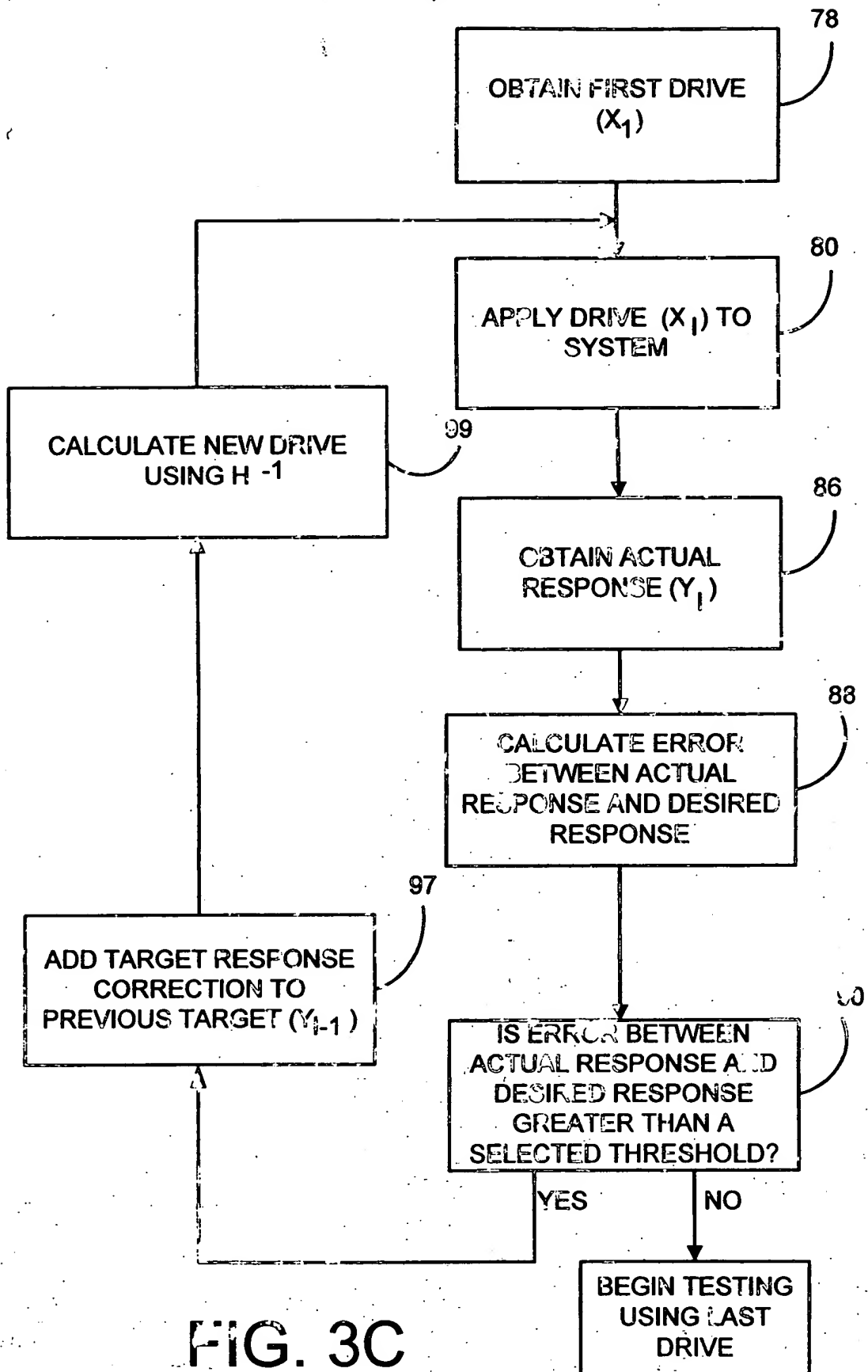


FIG. 3C

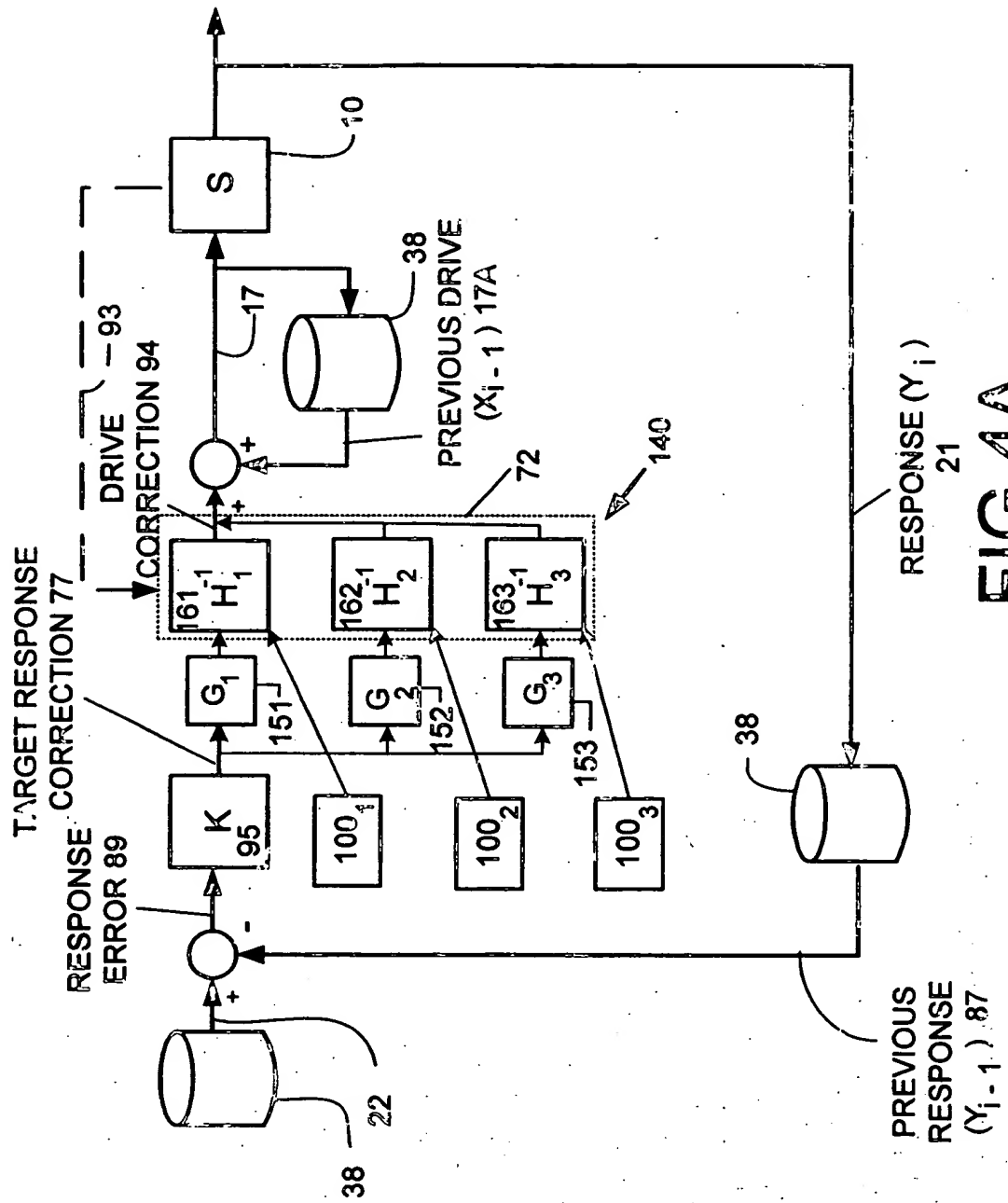


FIG. 4A

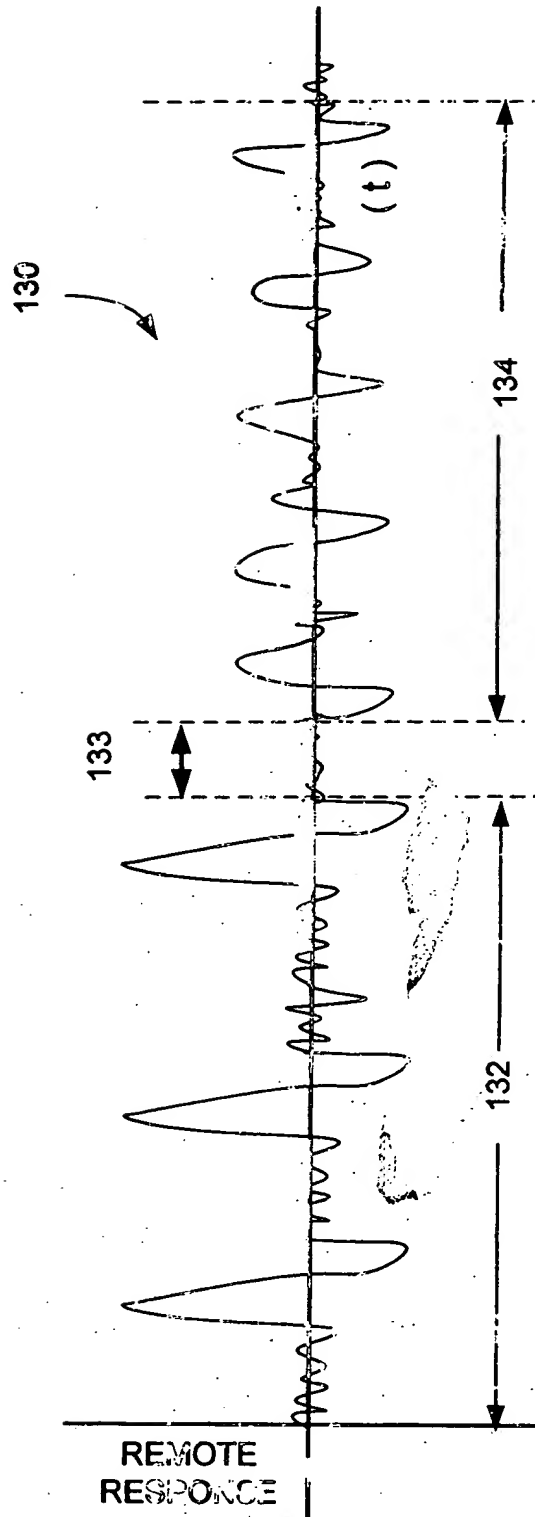


FIG. 5

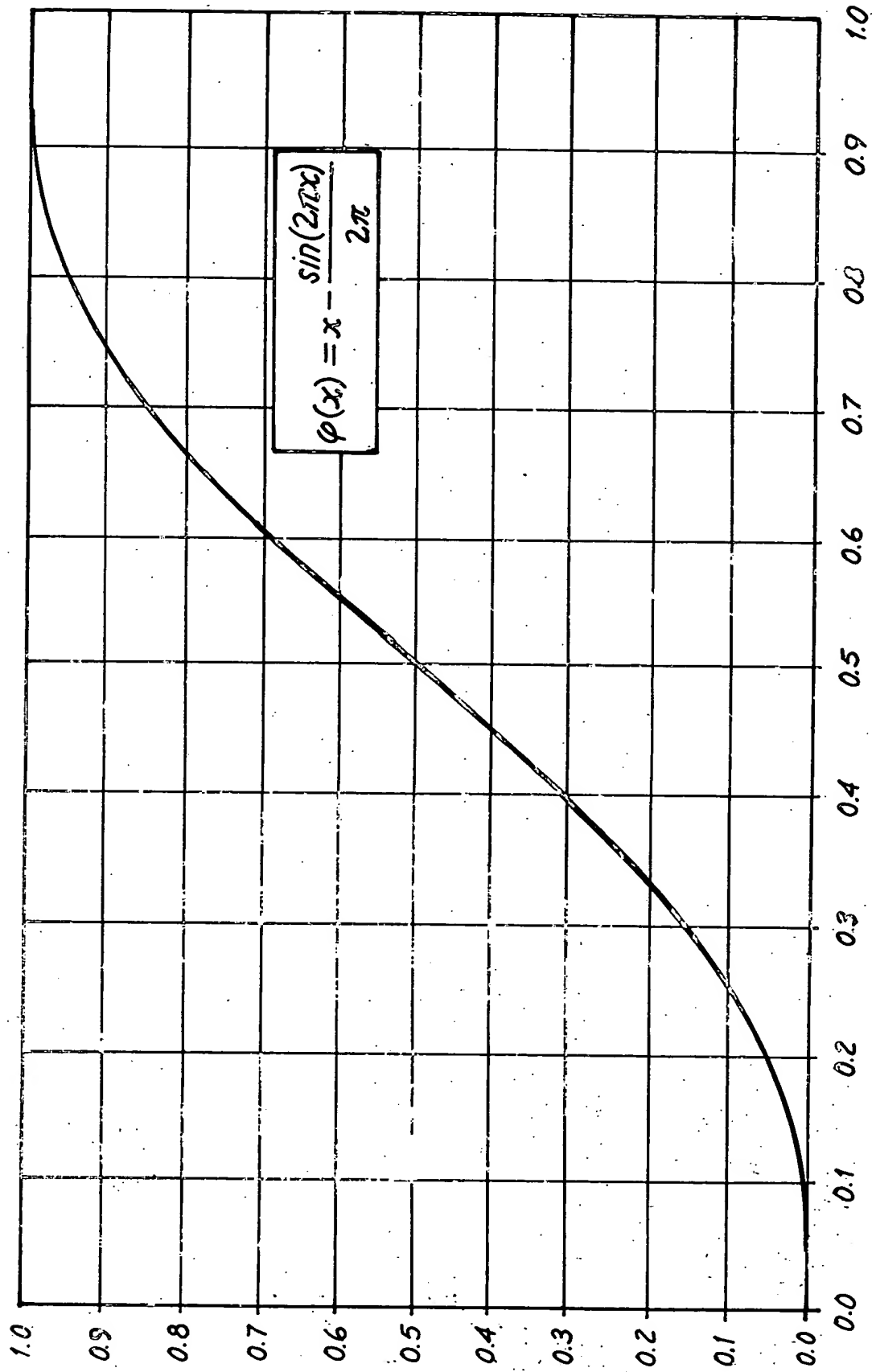


FIG. 7

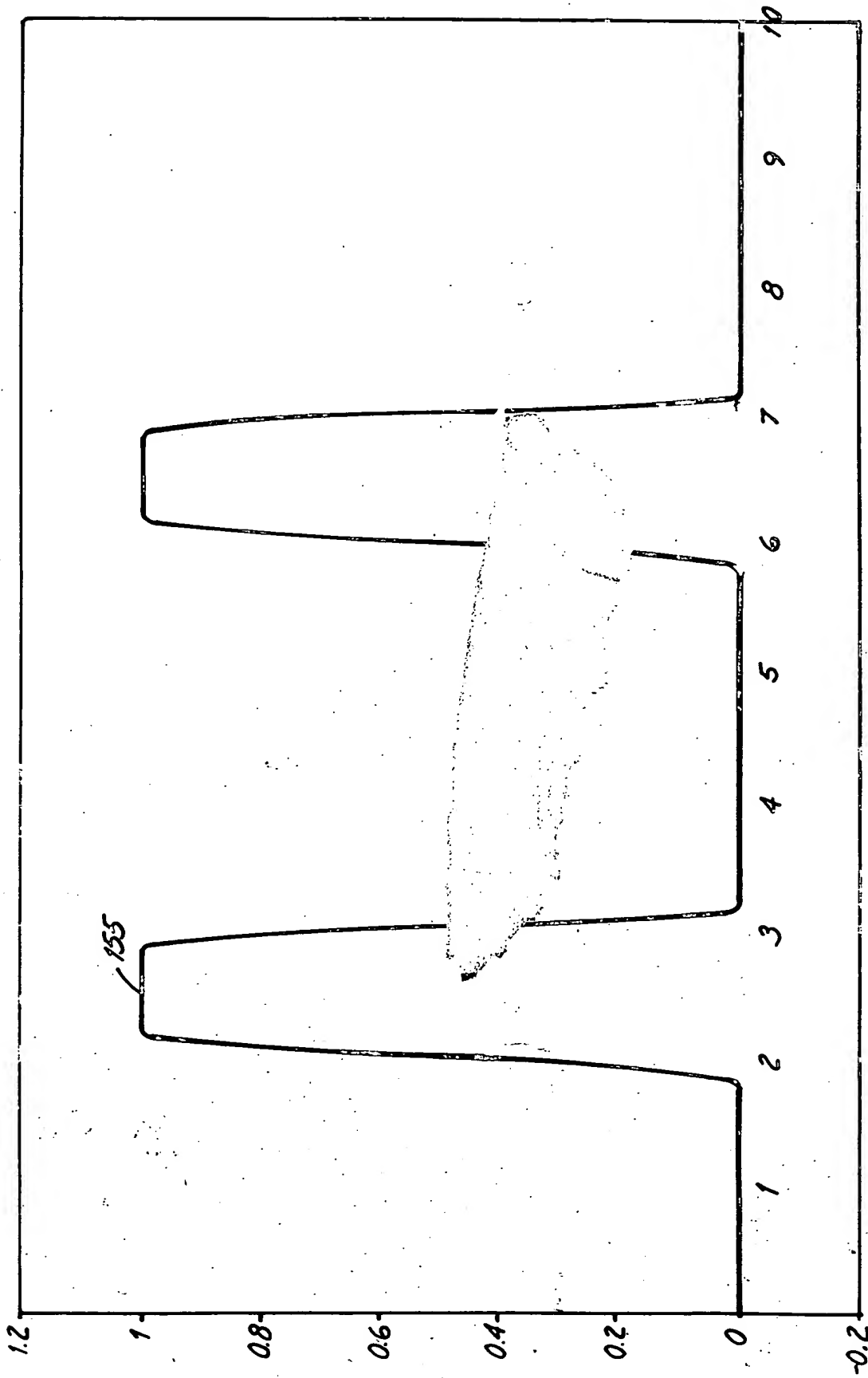


FIG. 8

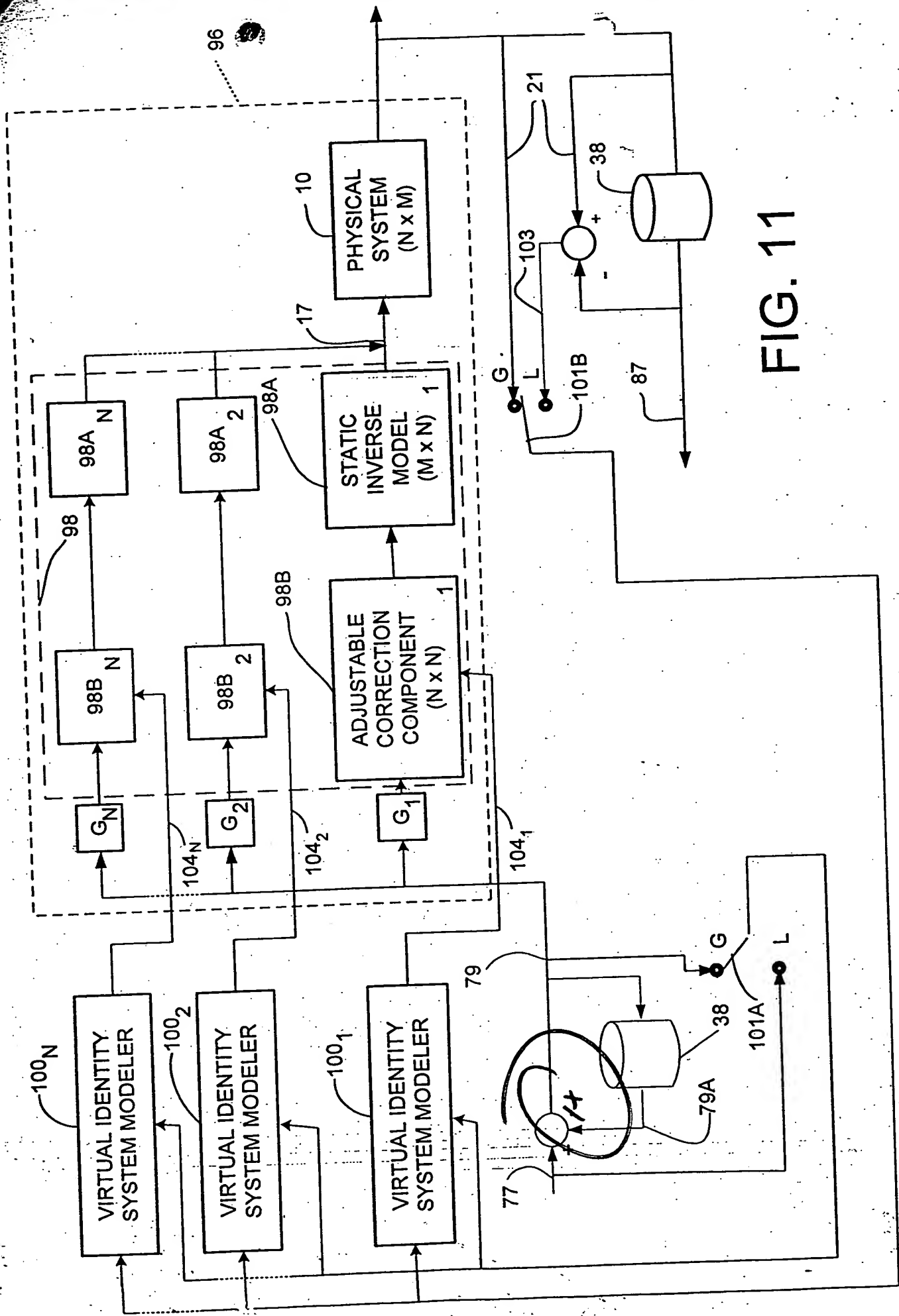


FIG. 11

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Inventor : Michael Merchant

Appln. No.: 09/960,626

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For : MULTIPLE REGION CONVOLVER WITH
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Group Art Unit:2182

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Large Entity Small Entity

Fee Fee Fee Fee

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Subtotal (3) \$130

Signature (Steven M. Koehler)

Date 10/12/01

Reg. No. 36,188

Deposit Account No. 23-1123



-1-

4

**COMBINED DECLARATION AND
POWER OF ATTORNEY
IN ORIGINAL APPLICATION**

Attorney Docket No.

M93.12-0238

SPECIFICATION AND INVENTORSHIP IDENTIFICATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and joint inventor of the subject matter which is claimed, and for which a patent is sought, on the invention entitled MULTIPLE REGION CONVOLVER WITH TAPERING the specification of which,

(check one) ☐ is attached hereto.

☒ was filed on September 21, 2001 as Appln. No. 09/960,626.

☐ and was amended on _____

☐ was described and claimed in PCT International Application

No. _____ filed on _____ and as amended under PCT Article 19 on _____

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is known to me to be material to the patentability of this application in accordance with 37 C.F.R. § 1.56.

PRIORITY CLAIM (35 U.S.C. § 119)

Prior Foreign Application(s)

I claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below, each of which is incorporated by reference in its entirety, , each of which is incorporated by reference in its entirety, and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Number	Country	Day/Month/Year Filed	Priority Claimed
_____	_____	_____	Yes _____ No _____
_____	_____	_____	Yes _____ No _____

Prior Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States Provisional Application(s) listed below, each of which is incorporated by reference in its entirety:

Number	Day/Month/Year Filed
<u>60/234,131</u>	<u>September 21, 2000</u>

PRIORITY CLAIM (35 U.S.C. § 120)

I claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below, each of which is incorporated by reference in its entirety. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Appln. No.	U.S. Appl. No. (if any under PCT)	Filing Date	Status
_____	_____	_____	_____
_____	_____	_____	_____

DECLARATION

I declare that all statements made herein that are of my own knowledge are true and that all statements that are made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY

I appoint the following attorneys and agents to prosecute the patent application identified above and to transact all business in the Patent and Trademark Office connected therewith, including full power of association, substitution and revocation: Judson K. Champlin, Reg. No. 34,797; Joseph R. Kelly, Reg. No. 34,847; Nickolas E. Westman, Reg. No. 20,147; Steven M. Koehler, Reg. No. 36,188; David D. Brush, Reg. No. 34,557; John D. Veldhuis-Kroeze, Reg. No. 38,354; Deirdre Megley Kvale, Reg. No. 35,612; Theodore M. Magee, Reg. No. 39,758; Christopher R. Christenson, Reg. No. 42,413; Brian D. Kaul 41,885; Robert M. Angus, Reg. No. 24,383; Christopher L. Holt, Reg. No. 45,844; Alan G. Rego, Reg. No. 45,956; and David C. Bohn, Reg. No. 32,015.

I ratify all prior actions taken by Westman, Champlin & Kelly, P.A. or the attorneys and agents mentioned above in connection with the prosecution of the above-mentioned patent application.

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